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PICProto18 Prototyping Board with *PICBus*™

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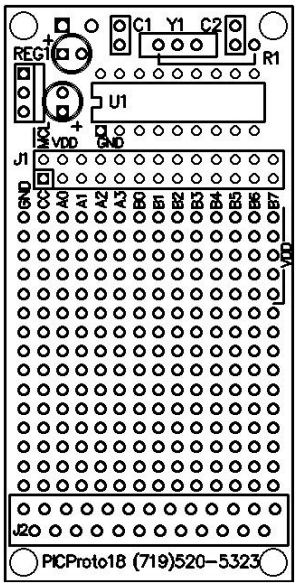
Jameco Part Number 132644

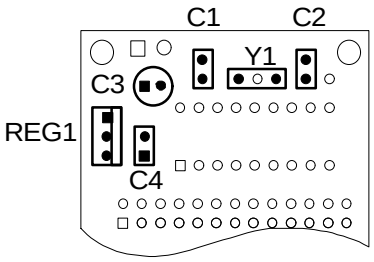


- High quality double-sided board
- Solder mask both sides
- 300 plated-through holes
- 4 mounting holes
- Overall dimensions 1.5" X 3"

U1 - PIC16C52, 54, 56, 58, 554, 556, 558, 61, 620, 621, 622, 71, 710, 711, 715, 84, 16F83 or 84
Y1 - crystal or ceramic resonator
C1, 2 - crystal capacitors
C3 - input capacitor
C4 - bypas apacitor
R1 - RC oscillator resistor
REG1 - 5 volt regulator
J1 - PICBus* I/O connector
J2 - DB9, 15, or 25 connector

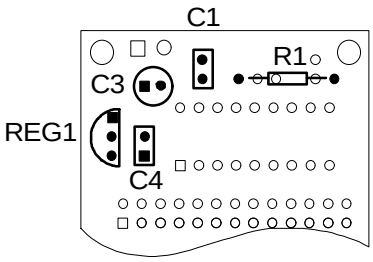
Vdd - plus 5 volt bus
GND - ground buss

Parts Placement:



Crystal or Ceramic Resonator
Y1 = DC - 20MHZ
C1, 2 = 5 - 22pf

TO-220 Regulator
REG1 = 7805T
C3 = .1 - 10 uf
C4 = .01 - .1uf



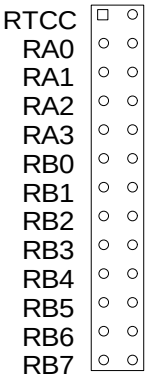
RC Oscillator
5k ≤ R1 ≤ 100K
C1 ≥ 20pf
C2 = none

TO-92 Regulator
REG1 = 78L05
C3 = .1 - 10uf
C4 = .01 - .1uf

*PICBus is a trademark of microEngineering Labs, Inc.

PICBus*:

PICBus* is a standardized bus for use with any 18- or 28-pin PICmicro.



Notes:

KEY should be cut off on 26-pin header and plugged on-26 pin socket.

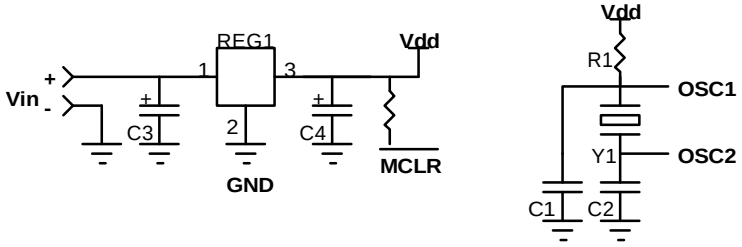
RC0-7 are no-connects for 18-pin PICmicros.

Assembly Notes:

Pin 1 of U1 is marked with a square pad.
Note polarity of Vin, REG1 and any polarized capacitors.

Don't forget to pull-up Master Clear to Vdd.
All unused inputs should be tied to Vdd or ground.

Schematic:



Sources:

PICmicro documentation is available from:
Microchip Technology Inc.

www.microchip.com

microEngineering Labs, Inc.

http://www.melabs.com
email: support@melabs.com